

Rola

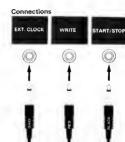
WS-1 OWNER'S MAN

Write Switch the WS-1 is a writing machine made exclusively for the CR-78. The rhytim pattern is divided into steps of either 3, 12, 16, 24 and 48 end each step is programmed machanically. This makes the writing of rhytims each see will see procise.

Note: The WS-1 can only be used with

The WS-1 uses the DC power source (006P battery). If the pilot imp does not light up when the power is turned on, remove the four screws at the bottom end change the bettery.

Aiweys turn off the Mode Seiector when the WS-1 is not in



Instructions for Operation

Writing Rhythms

After meking the necessary connections, first set the Mode Switch to WRITE and the turn on the power of the CR-78.



CR-78

START/STOP
Tempo
if the

Press the Start/Stop Button of the CR-78 once. Check to sea if the Tempo Pilot lamp is on. If the lemp is not lighted up, stort from instruction no. 1 sil over

3 Choose the piece where you want to write in the rhythm from the Program Rhythm buttons I – IV of the CR-78.



WS-1

MODE SW
CLEAR*
WRITE*

Set the Mode Switch of the WS-1 et CLEAR.

Set the Progrem Switch of the CR-78 at ALL and press the Cleer Button. This will areas any rhythm programmed in the piece selected in instruction no. 3.



MODE SW WS-1 Set the Mode Switch of the WS-1 beck to WRITE



7 Set the program switch of the CR-78 to MEMORY.



WS-1

Set the step number to write with the Step Selector of the WS-1. (e.g., for writing the 8-best, set at "6")
Re-setting the step number can be done during the process of writing.





Choosing the sound you want to write in with the instrument Selector of the CR-78, write the rhythm using the $\boxed{\ }$ and the $\boxed{\ }$ with the Write Key of the WS-1.

• Since the CR-78 has two measures worth of memory, the writing in of rhythms with the Stap Selector should be done twice since the process con-



ducted once with the Step Selector only amounts to half the memory capacity of the CR-78.

The tempo pilot lamp of the CR-78 will go off when rhythm writing starts. Afterwards, it will light up when the first star of the measure has been written.

 if writing rhythms is continued after the first two messures flave been completed, sounds will be continuously added to it insteed of arasino it.

10 For such Instrument sound, repeat instructions 8 and 9.

Note: a if the memory of the CR-78 is cleared before connecting it to the WS-1, instructions 4 and 6 can be omitted. Make sure the power switch is off when making connections.

If the power is accidentally turned off when making changes with the Mode Switch, stert the writing procedure from the beginning. 4 Set the Mode Switch to CLEAR.



2 CR-78

For erasing only one instrument sound, set the progrem switch of the CR-78 to MEMORY. For erasing the whole rhythm, set the progrem switch to ALL. Press the Cleer Button of the CR-78 for procedures.

Set the Mode Switch of the WS-1 beck to WRITE.

• After teking this procedure, rhythms cen be programmed from no. 7 of the rhythm writing instructions.



Note:

If the rhythms do not seem to have been cleered completely, follow the first two instructions for writing rhythms end then the procedures for cleering the rhythms over egain. If you lose track of a measure, start from the beginning.

Set the Mode Switch of the WS-1 to CLEAR Check to see that the Tempo pliot iemp of the CR-78 is on. if the pilot iamp is not lighted, set the Mode Switch to WRITE and



MIR 1 MODE SW

Set the Mode Switch back to WRITE and write the rhythm. Note:

This is the same process as the instructions given for clearing the rhythms.

Checking the written rhythms

then re-set it back to CI EAR

1. The rhythms will start by pulling out the EXT. CLOCK (gray) plug.

Do not touch the Write Key or the Mode Switch

2. For further rhythm writing, hook up the EXT. CLOCK plug egein.

to the pre-set routhing

WS-1 DWNER'S MANUAL 80' APR. A-3

Note:

The pilot iemp is on when writing the first Instrument sound or when clearing the rhythms. But when writing the four instrument sounds in order, the lamp will light up from the second through fourth instrument sound, when the first step hee been written.

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Roland Corporation